



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/096,257	06/11/98	IL' YASHENKO	E

HILL STEADMAN & SIMPSON  
A PROFESSIONAL CORPORATION  
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LM41/0201

EXAMINER

CHU, K

ART UNIT

PAPER NUMBER

2752

DATE MAILED:

02/01/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

## Notice of Allowability

Application No.  
**09/096,257**

Applicant(s)  
**IL'YASHENKO**

Examiner  
**Kim-Kwok CHU**

Group Art Unit  
**2752**



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☐ This communication is responsive to \_\_\_\_\_

☒ The allowed claim(s) is/are 1-41

☐ The drawings filed on \_\_\_\_\_ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 7.

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.**

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

### Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 5 and 6

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

**EXAMINER'S AMENDMENT**

1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

2. The application has been amended as follows:

(a) in claim 1, line 7, the term "to face a magnetic storage medium" has been changed to --to face said magnetic storage medium-- because the magnetic storage medium already mentioned in line 4;

(b) similarly, in claim 19, line 8, the term "to face a magnetic storage medium" has been changed to --to face said magnetic storage medium-- because the magnetic storage medium already mentioned in line 5;

(c) furthermore, in claim 37, line 5, the term "about a magnetic storage medium" has been changed to --said magnetic storage medium--; and

(d) in the abstract, lines 13-15, the term "The amount of rotation ..... which produced by the magnetically stored data on the magnetic storage medium." has been deleted so that the abstract is within 250 words.

**REASONS FOR ALLOWANCE**

3 Claims 1-41 are allowable over the prior art of record.

4. The following is an Examiner's Statement of Reasons for Allowance:

In reading a high density magneto-optical storage medium, a conventional optical head rotates a polarized light beam about 0.35 degree. To obtain a bigger rotation angle for more reliable and faster detection, applicant claims means and steps of an optical head having both a Faraday rotator layer and a Kerr effect rotator layers on a transparent substrate where both said rotator's rotating coefficient has a same operational sign at the wavelength of said light beam.

The prior art does not teach or fairly suggest the features as recited in applicant's claims.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kurtz et al. (5,235,570) is pertinent because Kurtz teaches a magneto-optic readout method using polarization switching of readout beam.

6. Any response to this action should be mailed to:  
Commissioner of Patents and Trademarks Washington, D.C.  
20231.  
or faxed to:  
(703) 305-9051, (for formal communications intended for entry).  
Or:  
(703) 308-6606, (for informal or draft communications, please label "PROPOSED" or "DRAFT").

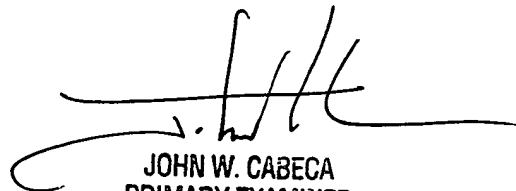
Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim CHU whose telephone number is (703) 305-3032.

KC 1/28/99

Kim-kwok CHU  
Examiner AU2752  
January 28, 1999

  
JOHN W. CABECA  
PRIMARY EXAMINER

FEB - 1 1999